

**MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES  
COMMUNICABLE DISEASE PROGRAM  
DISEASE SUMMARY FOR : 1998**

Reporting County*	C A M P Y L O B A C T E R	D I P H T H E R I A	P A T H O G E N I C	G I A R D I A	H I N F L U E N Z A L I S B	H E P A T I T I S A	H E P A T I T I S B	H E P A T I T I S B	L E G I O N E L L A	M E A S L E S	M E N I N G	P E R T U S S I S	R M S F	S A L M O N E L L A	S H I G E L L A	T B	FOODBORNE AND WATERBORNE OUTBREAK RELATED CASES  INCIDENTS/CASES
Beaverhead	-	-	1	2	-	-	-	-	-	-	-	-	-	1	-	-	1/1
Big Horn	-	-	-	4	-	-	-	-	-	-	-	-	-	1	-	-	-
Blaine	1	-	1	2	-	-	-	1	-	-	-	-	-	-	-	-	-
Broadwater	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	1/120
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	10	-	2	13	-	2	3	2	1	-	1	2	-	6	2	-	2/43
Chouteau	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Custer	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Daniels	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Dawson	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Deer Lodge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fallon	1	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Fergus	-	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
Flathead	13	-	5	10	-	10	1	-	-	-	2	1	-	9	1	1	1/1
Gallatin	9	-	6	11	-	-	-	-	-	-	-	1	-	10	-	-	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	-	-	2	5	-	-	-	1	-	-	-	1	-	-	1	4	-
Golden Valley	1	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Granite	-	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	1/5
Hill	-	-	-	1	-	-	-	-	-	-	-	-	-	3	-	1	-
Jefferson	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Judith Basin	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	2	-	-	1	-	8	-	-	-	-	-	-	-	4	-	-	-
Lewis & Clark	7	-	2	3	-	4	-	-	1	-	-	-	-	6	-	-	1/45
Liberty	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lincoln	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Madison	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	2	-	-	-	-	-	-	-	1	-	-	2	-	-
Missoula	20	-	3	24	-	3	-	-	-	-	1	7	-	12	1	1	2/2
Musselshell	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Park	3	-	1	7	-	-	-	-	-	-	-	1	-	2	-	-	-
Petroleum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pondera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	1/8
Prarie	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	3	-	-	1	-	1	-	-	-	-	1	-	1	1	-	-	-
Richland	-	-	-	1	-	13	-	-	-	-	-	-	-	1	-	-	-
Roosevelt	1	-	1	2	-	-	-	-	-	-	-	-	-	1	-	3	-
Rosebud	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	4	-
Sanders	-	-	-	-	-	7	-	-	-	-	-	-	-	1	-	-	-
Sheridan	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	1	-	1	1	-	45	2	1	-	-	-	-	-	1	-	1	-
Stillwater	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
Sweet Grass	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1/11
Teton	2	-	-	-	-	-	-	-	-	-	-	2	-	1	-	-	-
Toole	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Treasure	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	1	-	-	1	-	1	-	-	-	-	-	-	-	2	-	-	-
Wheatland	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Wibaux	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone	15	-	7	20	-	1	1	1	-	-	-	-	-	8	1	5	-
1998	101	0	41	119	0	96	8	8	2	0	5	17	1	79	8	21	12/236
1997	124	0	42	154	0	71	12	24	1	0	8	18	4	63	11	18	21/340
1996	108	0	27	129	1	130	21	20	1	0	9	37	3	101	63	19	NA

\* "Reporting county" reflects county of residence whenever possible.

The above disease totals reflect the cumulative number of reports received by DPHHS during 1998.

Each disease is classified by month of event. While month of event generally reflects the onset of : it may also represent the date of report or laboratory test. The reporting county is the county of residence/occurrence of the case. Data are subject to corrections.

OTHER DISEASES OF INTEREST: All cases Reported during 1998

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur.  
All counties reporting at least one case are listed.

Reporting County*	A S E P  M E N I N G	B A C T  M E N O T R	F B O O T D U L B L O I R S N M E	C O C C I D I O	C O L T I C K  F V R	C R E U T Z F E L D T	J A K O B  D I S	C R Y P T O S P O R	C Y T O M E G A L O	E N C E P H A L O P T H Y	H A N T A V I R U S	H A E M O P H I L I S	I N F L U  O T H E R	L I S T E R I A	M A L A R I A	S T R E P  P N E U M O	N E O N A T L	T E T A N U S	T R I C H I N O S I S	T U L A R E M I A
Beaverhead	-	-	-	1	-	2	-	-	-	-	2	-	-	-	-	-	-	-	-	-
Carbon	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Carter	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	-	-	-	-	-	1	-	-	-	2	-	1	-	-	-	-	-	-	-	-
Dawson	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Flathead	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	1	-
Gallatin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Glacier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Hill	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Lewis & Clark	-	1	-	-	-	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-
Madison	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missoula	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Musselshell	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
Ravalli	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roosevelt	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rosebud	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Stillwater	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yellowstone	3	-	-	-	1	-	1	5	-	1	-	-	-	-	-	-	-	-	-	-
1998	7	3	1	2	6	1	10	1	4	3	1	1	1	1	1	2	1	2	1	1
1997	0	4	0	0	6	0	5	0	0	2	1	2	2	0	1	4	7	7	7	7
1996	3	6	0	5	3	0	4	0	1	1	1	0	1	7	0	0	0	0	0	5

\* Drug resistant Streptococcus pneumoniae invasive disease

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below.  
Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT: 66 (6.3%) of the 1056 specimens submitted in 1998 tested positive for the virus.

Big Horn:	Four Skunks	Missoula:	Two Bats	Summary of selected specimens tested in 1998
Blaine:	One Bat	Phillips:	One dog, One Skunk	
Carter:	One Cow, Two Skunks	Powder River:	Six Skunks, One Horse	
Cascade:	Two Bats	Powell:	Two Bats	
Chouteau:	One Bat	Ravalli:	Six Bats	
Custer:	One Bat	Roosevelt:	One Skunk	
Fallon:	12 Skunks, 1 Swine, 1 Horse	Rosebud:	Three Skunks	
Fergus:	Two Skunks, One Bat	Sheridan:	One Skunk	
Flathead:	One Bat	Treasure:	One Dog	
Gallatin:	One Cat	Valley:	Three Skunks	
Hill:	One Bat	Wheatland:	One Skunk	
Judith Basin:	One Bat	Yellowstone:	Two Skunks	
Lake:	Two Bats			

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one.  
A short description of reports is summarized below. Additional information may be obtained by contacting the county of report.  
Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scromboid) should also be considered an outbreak and reported.

Beaverhead County: \*Montana's first Foodborne Botulism case since 1981 was reported from Beaverhead Co.  
A breakdown in homecanning practices is suspected.

Carbon County: 120/135 attending a conference ill with gastroenteritis. No causative agent identified. Food handling recommendations made.

Cascade County: \* A banquet-related outbreak sickened 37/56 individuals at a Great Falls motel. No causative agent or food identified.  
\* Six individuals in a group of 12 ill with mild gastroenteritis following meals at a local restaurant. No causative agent or food identified.

Flathead County: \* One case of Salmonella agona associated with a national recall of Malt-O-Meal cereal.

Granite County: \* Five individuals in one household experiencing recurring illnesses. Possibly related to contamination of well.

Missoula County: \* One individual reported with suspect scombroid poisoning after consuming a tuna meal at a local restaurant.  
Scombroid poisoning is caused by the ingestion of a toxin that may form as a result of bacterial growth on certain foods, particularly fish and swiss cheese. Onset of illness is rapid, within 30 minutes, and a variety of allergy-type symptoms may develop.  
Missoula's case sought medical care, responded to antihistamines and recovered quickly.  
\* A single case of Salmonella agona linked to Malt-O-Meal Cereal recall.

Lewis and Clark: \*45 of 100 people attending a day camp became ill with gastrointestinal illnesses. Investigation indicated some individuals were ill before attending. The majority of cases became ill after returning home. Person to person transmission is suspected for most cases, however sanitation problems were noted and foodborne or waterborne transmission may have contributed to the outbreak.

Powell: \* Eight of 40 individuals at a camp ill with gastroenteritis. Investigation yielded E. coli Non-O157 from one individual. Person to person transmission suspected by camp staff.

Sweet Grass: \* 11 of 30 individuals attending an event at a church camp ill with mild gastroenteritis. No causative agent or food identified.  
recommendations regarding food handling and staffing made.

For more information on disease reporting, including how and what to report, contact Jim Murphy at (406) 444-0274  
or by E-mail at JLMURPHY@MT.GOV. This information is also available at www.dphhs.state.mt.us/hpsd/

SEXUALLY TRANSMITTED DISEASES BY COUNTY,  
1998 TOTALS

Reporting County*	AIDS	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	-	8	-	-
Big Horn	-	67	6	-
Blaine	-	26	-	-
Broadwater	-	1	-	-
Carbon	1	2	-	-
Carter	-	-	-	-
Cascade	1	186	5	-
Choteau	-	2	-	-
Custer	-	20	2	-
Daniels	-	-	-	-
Dawson	-	11	2	-
Deer Lodge	-	5	1	-
Fallon	-	2	-	-
Fergus	-	9	-	-
Flathead	1	77	-	-
Gallatin	3	93	3	-
Garfield	-	-	-	-
Glacier	1	132	1	-
Golden Valley	-	-	-	-
Granite	-	2	-	-
Hill	-	62	-	-
Jefferson	-	9	-	-
Judith Basin	-	-	-	-
Lake	-	86	-	-
Lewis & Clark	7	68	5	-
Liberty	-	3	-	-
Lincoln	-	7	1	-
McCone	-	2	-	-
Madison	-	3	-	-
Meagher	-	-	-	-
Mineral	-	1	-	-
Missoula	1	124	5	-
Musselshell	-	1	-	-
Park	-	11	-	-
Petroleum	-	-	-	-
Phillips	-	1	-	-
Pondera	-	4	-	-
Powder River	-	-	-	-
Powell	-	1	-	-
Prarie	-	-	-	-
Ravalli	1	12	-	-
Richland	-	9	-	-
Roosevelt	1	36	3	-
Rosebud	-	55	2	-
Sanders	-	6	1	-
Sheridan	-	-	-	-
Silver Bow	2	46	2	-
Stillwater	-	-	-	-
Sweet Grass	-	-	-	-
Teton	1	3	-	-
Toole	-	-	-	-
Treasure	-	-	-	-
Valley	-	6	-	-
Wheatland	-	1	-	-
Wibaux	-	-	-	-
Yellowstone	7	213	15	-
Other/Out of State	-	-	-	-
1998	27	1,414	54	0
1997	46	1,208	67	5
1996	46	1,228	38	4

\* "Reporting county" reflects county of residence whenever possible.  
Reports are counted as they are received by DPHHS.  
The above data include all reports received during 1998.